

# 1647



# **CERTIFICATE OF MAILING**

Information Disclosure  
Statement submitted under 37  
C.F.R. 1.97(c)

<b>Application Number</b>	09/832,015
<b>Filing Date</b>	4/10/2001
<b>First Inventor</b>	Woolf, Nancy J.
<b>Examiner Name</b>	Christopher J. Nichols
<b>Art Unit</b>	1647
<b>Docket Number</b>	NJW-1 (126)

DATE OF DEPOSIT: 2/24/2004

TITLE OF CASE:

Process for Treating Disease

The following documents are enclosed:

Certificate of Mailing (1 page)

Statement of Date of IDS or Election to pay fee (1 page)

Fee Transmittal Form (2 pages, duplicate copies)

IDS ( 2 pages)

Copy of references cited (580 pages)

Return Postcard

The above named documents are being deposited with the United States Postal Service, using Express Mail Post Office to Addressee service, on the date indicated above, and is addressed to:

TO:

Mail Stop:

Commissioner for Patents

PO Box 1450

Alexandria, VA 22313-1450.

FROM:

Howard J. Greenwald P.C.

349 W. Commercial Street, Suite 2490

East Rochester, NY 14445

Telephone (585) 387-0285

Fax (585) 387-0288

The Director is authorized to charge any additional fee(s) as needed during the pendency of this application to deposit account 50-2753.

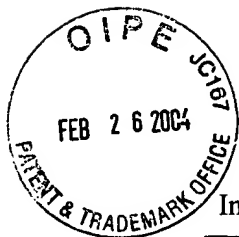
Signature of Mailer:

*Peter Mikesell*

☐ Howard J. Greenwald, Reg. No. 24,247

☐ John M. Hammond, Reg. No. 52,986

☒ Peter J. Mikesell, Reg. No. 54,311



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

USSN 09/832,015	DOCKET NO. NJW-1 (126)
GROUP NO. 1647	CONFIRMATION NO. 9668
FILED 4/10/2001	EXAMINER Christopher J. Nichols
TITLE Process for Treating Disease	

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT BEFORE  
MAILING DATE OF EITHER A FINAL ACTION OR NOTICE OF ALLOWANCE  
(37 C.F.R. § 1.97(c))

IDENTIFICATION OF TIME OF FILING THE ACCOMPANYING INFORMATION  
DISCLOSURE STATEMENT

1. The information disclosure statement submitted herewith is being filed after three months of the filing date of this application or date of entry into the national stage as set forth in § 1.491 in an international application or after the mailing date of a first Office Action on the merits, whichever event occurs last, but before the mailing date of either:
  - (1) a final action under § 1.113 or
  - (2) a notice of allowance under § 1.311,whichever occurs first.

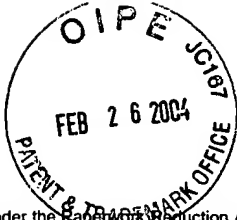
STATEMENT OR FEE

2. Accompanying this transmittal is

A. ☐ a statement as specified in 37 C.F.R. § 1.97(e).

or

B. ☒ the fee set forth in 37 C.F.R. § 1.17(p) for submission of an information disclosure statement under § 1.97(c).



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PTO/SB/17 (10-03)

Approved for use through 07/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

# FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

(\$ 180

## Complete if Known

Application Number 09/832,015  
Filing Date 4/10/2001  
First Named Inventor Woolf, Nancy J.  
Examiner Name Christopher J. Nichols  
Art Unit 1647  
Attorney Docket No. NJW-1 (126)

## METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:

Deposit Account Number  
Deposit Account Name

50-2753

Howard J. Greenwald P.C.

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments

☒ Charge any additional fee(s) or any underpayment of fee(s)

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 770	2001 385	Utility filing fee	
1002 340	2002 170	Design filing fee	
1003 530	2003 265	Plant filing fee	
1004 770	2004 385	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	

SUBTOTAL (1) (\$)

### 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims -20\*\* =  X  =   
Independent Claims -3\*\* =  X  =   
Multiple Dependent  =

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 86	2201 43	Independent claims in excess of 3
1203 290	2203 145	Multiple dependent claim, if not paid
1204 86	2204 43	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$)

0

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for ex parte reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 420	2252 210	Extension for reply within second month	
1253 950	2253 475	Extension for reply within third month	
1254 1,480	2254 740	Extension for reply within fourth month	
1255 2,010	2255 1,005	Extension for reply within fifth month	
1401 330	2401 165	Notice of Appeal	
1402 330	2402 165	Filing a brief in support of an appeal	
1403 290	2403 145	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,330	2453 665	Petition to revive - unintentional	
1501 1,330	2501 665	Utility issue fee (or reissue)	
1502 480	2502 240	Design issue fee	
1503 640	2503 320	Plant issue fee	
1460 130	1460 130	Petitions to the Commissioner	
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)	
1806 180	1806 180	Submission of Information Disclosure Stmt	180
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	
1809 770	2809 385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 770	2810 385	For each additional invention to be examined (37 CFR 1.129(b))	
1801 770	2801 385	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 180

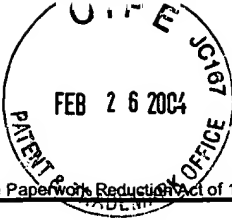
## SUBMITTED BY

Name (Print/Type) Peter J. Mikesell Registration No. 54,311 Telephone 585-387-0285  
Signature [Signature] (Attorney/Agent) Date 02/24/2004

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



PTO/SB/08A (04-03)

Approved for use through 04/30/2003. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 2

**Complete if Known**

Application Number	09/832,015
Filing Date	4/10/2001
First Named Inventor	Woolf, Nancy J.
Art Unit	1647
Examiner Name	Christopher J. Nichols
Attorney Docket Number	NJW-1 (126)

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	1	US- 6,391,871	05-21-2002	Olney; John W.	
	2	US- 6,037,352	03-14-2000	Lowe; Derek	
	3	US- 5,877,173	03-02-1999	Olney; John W.	
	4	US- 6,194,153	02-27-2001	St. George-Hyslop	
	5	US- 6,184,013	02-06-2001	Landry	
	6	US- 6,183,981	02-06-2001	Gonzalez-Lima	
	7	US- 6,180,365	01-30-2001	Elshourbagy	
	8	US- 6,146,827	11-14-2000	Levinson	
	9	US- 6,083,523	07-04-2000	Dionne	
	10	US- 6,042,579	03-28-2000	Elsberry	
	11	US- 6,010,492	01-04-2000	Jacobsen	
	12	US- 5,871,472	02-16-1999	Aebischer	
	13	US- 5,316,754	05-31-1994	Vlassara	
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

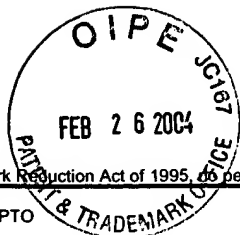
FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTO/SB/08B (04-03)

Approved for use through 04/30/2003. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number	09/832,015
Filing Date	4/10/2001
First Named Inventor	Woolf, Nancy J.
Art Unit	1647
Examiner Name	Christopher J. Nichols
Attorney Docket Number	NJW-1 (126)

Sheet 2 of 2

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	n1	XU, RONG et al, M3/M1-selective antimuscarinic tropinyl and piperidinyl esters, Eur. J. of Pharm. Sci. 8(1999) 39-47	
	n2	SHIOZAKI, Kazumasa, Distribution of m1 muscarinic acetylcholine receptors in the hippocampus of patients with Alzheimer's disease..., J. Neuro. Sci. 193 (2001) 23-28	
	n3	MOREIRA, KARIN M., Deficits in avoidance responding after paradoxical sleep deprivation are not..., Brain Research 977 (2003) 31-37	
	n4	ELIZABETH, Jian Wei, M1-m5 Muscarinic Receptor Distribution in Rat CNS, J. of Neurochemistry 63 (1994) 815-821	
	n5	RODRIGUEZ-PUERTAS, RAFAEL, Autoradiographic Distribution of M1, M2, M3, and M4..., Synapse 26 (1997) 341-350	
	n6	FORNARI, Raquel V. Fornari, Effects of the selective M1 Muscarinic Receptor..., Learning & Memory, 7 (2000) 287-292	
	n7	BYMASTER, FRANK P., Muscarinic mechanisms of antipsychotic atypicality, Progress in Neurophsch. & Biological Psychiatry, 27 (2003) 1125-1143	
	n8	GHELARDINI, CARLA, S-(-)-ET 126: A potent and selective M1 Antagonist..." Life Sciences, Vol. 58, No. 12, (1996) 991-1000	
	n9	LAZARENO, S., Analogs of Win 62,577..., Molecular Pharmacology, Vol 62, No. 6 (2002) 1492-1505	

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.